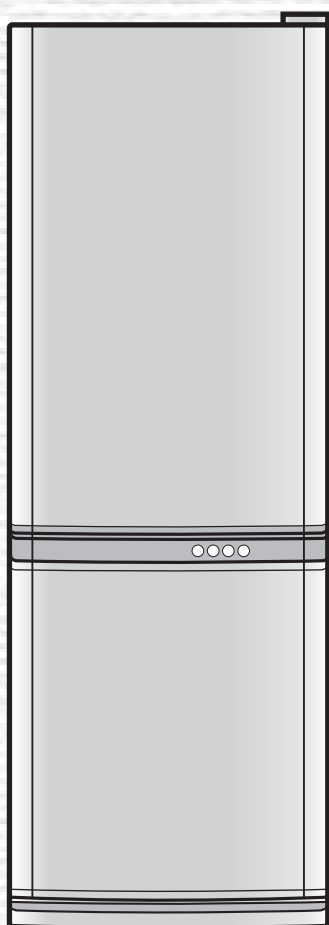


SHARP



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Plasmacluster is a registered trademark or a trademark of Sharp Corporation.

SJ-RM323T

REFRIGERATOR - FREEZER OPERATION MANUAL

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WARNING

- This refrigerator contains flammable refrigerant (R600a: isobutane) and insulation blowing gas (cyclopentane). Observe the following rules to prevent ignition and explosion.
 - The refrigeration system behind and inside the refrigerator contains refrigerant. Do not allow any sharp objects to come into contact with the refrigeration system.
 - Do not use mechanical devices or other means to accelerate the defrosting process. (This refrigerator has an adopted automatic defrosting system.)
 - Do not use electric appliances inside the refrigerator.
 - Use only the specified parts when replacing the refrigerator compartment light.
 - Do not block the openings on the circumference of the refrigerator.
 - Do not use flammable sprays, such as spray paint near the refrigerator. It may cause explosion or fire.
 - If the refrigeration system should get punctured, do not touch the wall outlet and do not use open flames. Open the window and air out the room. Then ask a service agent approved by SHARP for servicing.
 - This refrigerator should be disposed appropriately. Take the refrigerator to a recycling plant for flammable refrigerant and insulation blowing gases.
- Do not store highly volatile and flammable materials such as ether, petrol, propane gas, aerosol cans, adhesive agents and pure alcohol etc. These materials are liable to explode.
- Dust deposited on the power plug may cause fire. Wipe it off carefully.
- Do not attempt to change or modify this refrigerator. This may result in fire, electric shock or injury.
- Ensure that the refrigerator presents no danger to children while being stored for disposal. (e.g. remove the magnetic door seals to prevent child entrapment.)

CAUTION

- Do not touch the compressor unit or its peripheral parts, as they become extremely hot during operation and the metal edges may cause injury.
- Do not touch foods or metal containers in the freezer compartment with your wet hands. This may cause frostbite.
- Do not use an extension cord or adapter plug.
- Do not place bottled and canned drinks in the freezer as they may crack when frozen.
- Make sure that the power cord has not been damaged during installation or moving. If the power plug or cord is loose, do not insert the power plug. There is a risk of electric shock or fire.
- Disconnect from the mains electricity supply by removing the mains plug from the electricity supply socket. Do not remove by pulling the mains lead. This may cause electric shock or fire.
- Should the flexible supply cord be damaged, it must be replaced by service agent approved by SHARP as a special cord is required.
- In case of gas leak, ventilate the area by opening a window, etc. Do not touch the refrigerator or the power outlet.
- Do not place objects containing liquid or unsteady objects on top of refrigerator.
- This refrigerator is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the refrigerator by a person responsible for their safety. Young children should be supervised to ensure that they do not play with the refrigerator.

Information on Disposal for Users (private households)



Attention:
Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin! Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.

*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

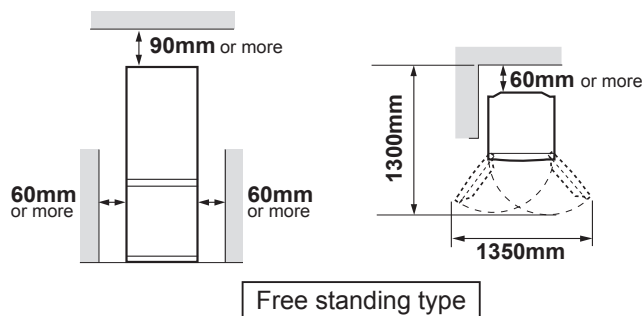
For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

INSTALLATION

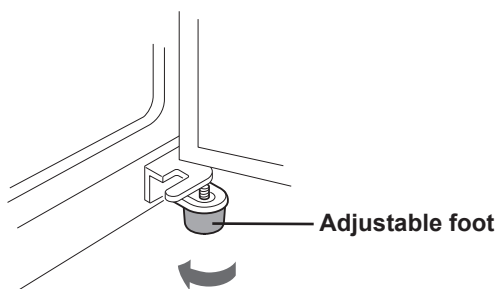
WARNING

- Do not install the refrigerator in a damp or wet location as this may cause damage to the insulation. Condensation may also build on the cabinet and cause rust.

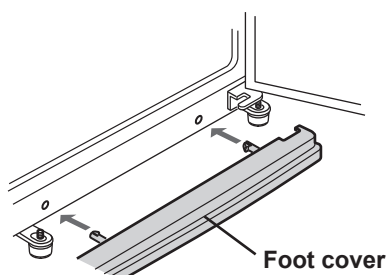
- 1 Keep adequate ventilation space around the refrigerator.
 - The figure shows the minimum space required for installing the refrigerator. (Please note that power consumption is measured in a different environment.)
 - By keeping greater space, the refrigerator may be operated under a less amount of power consumption.
 - If using the refrigerator in the smaller space dimension than the below figure, it may cause the temperature rise in the unit, loud noise and failure.



- 2 Use the two front adjustable feet, to ensure that the refrigerator is positioned firmly and flat on the floor.



- 3 Clip the foot cover (supplied inside the refrigerator compartment) in position in front of the two adjustable feet.

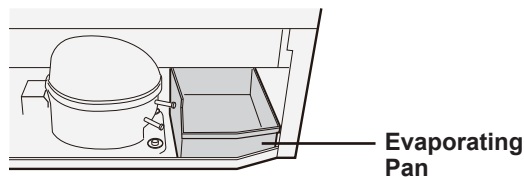


NOTE

- Position your refrigerator so that the plug is accessible.
 - Keep your refrigerator out of direct sunlight.
 - Do not place next to a heat generating appliance.
 - Do not place directly on the ground.
- Provide suitable stand.

Before transporting

- Wipe up water in the evaporating pan. Before wiping up the water in the evaporating pan, please wait for approx. 1 hour after pulling out the plug due to the refrigeration cycle equipment being extremely hot. (The evaporating pan is located at the rear of the product)

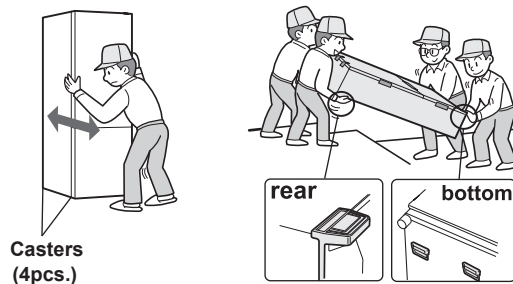


NOTE

- Do not bend or damage the ductwork located on the inside of the evaporating pan. As it may cause failure.

When transporting

- The casters allow the refrigerator to move back and forth.
- Carry the refrigerator by holding the handles located on the rear and the bottom.



Before using your refrigerator

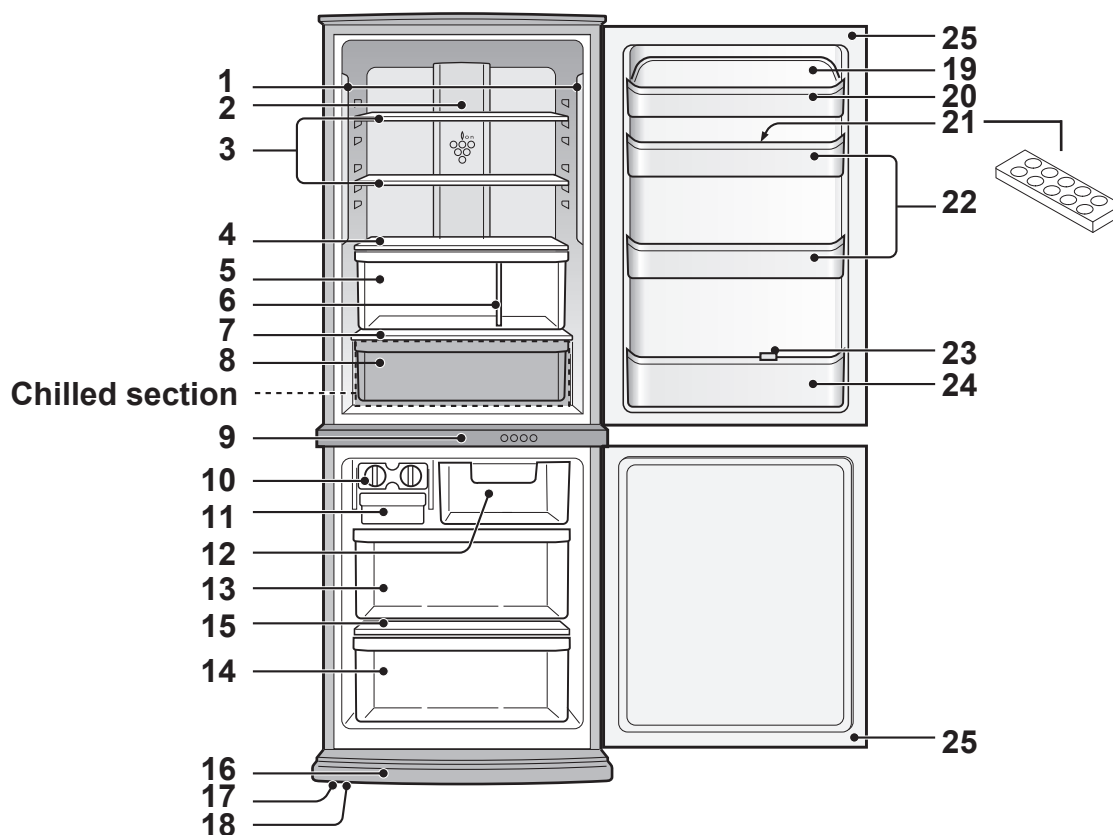
Clean the inside parts with a cloth soaked in warm water. If soapy water is used, wipe it off thoroughly with clean water.

Reversible door

It is possible to change the door to left side opening. To modify the door a REFRIGERATOR HINGE KIT (for left side opening) will be required, SJ-LR320TD. For details of the kit and the modification work, please contact the service agent approved by SHARP.

CAUTION SHARP recommends that all modification work will be carried out by the approved service agent.

DESCRIPTION



1. LED lights

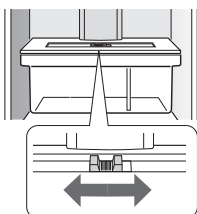
2. Hybrid cooling panel (Aluminum panel)

The panel is cooled from the rear, thus indirectly cooling the refrigerator compartment. In this way, food is refrigerated gently, without exposing it to cold air flow.

3. Refrigerator shelves (2 pcs.)

4. Fruit & vegetable shelf

The airflow to the vegetable crisper can be controlled by moving the vent hole lever to the left or right.



5. Fruit & vegetable crisper

6. Divider

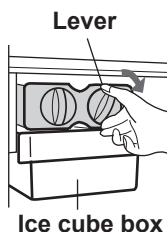
7. Shelf

8. Chilled case

9. Control panel

10. Ice cube maker

- 1) Do not over fill the ice cube trays; otherwise the ice cubes will be joined together when frozen.
- 2) When the ice cubes are made, turn the lever clockwise to empty the ice into the ice cube box.



11. Ice cube box

12. Freezer case (top)

13. Freezer case (middle)

14. Freezer case (bottom)

15. Freezer shelf

16. Foot cover

17. Casters (4 pcs.)

18. Adjustable feet (2 pcs.)

19. Utility pocket cover

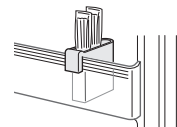
20. Utility pocket

21. Egg holder

22. Door pockets (2 pcs.)

23. Bottle stopper / Tube stand

Prevents bottles etc. from falling. Stick-type food products stored inside.



24. Bottle pocket

25. Magnetic door seals (2 pcs.)

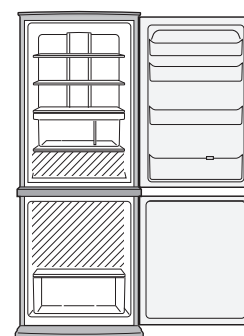
Deodorizing unit

A deodorizing catalyst is installed on the routes of cold air. No maintenance or cleaning is required to the deodorizing unit.

More foods can be stored by removing the following accessories as indicated in the figure below.

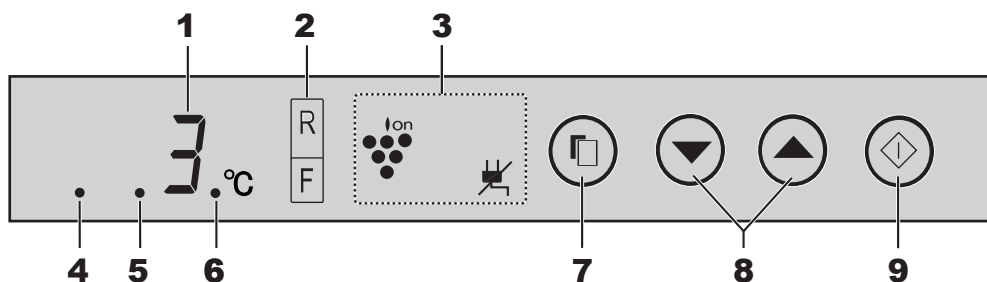
(Chilled case, Ice cube maker, Ice cube box, Freezer case (top & middle))

- If the refrigerator is operated with these accessories taken out, it will work under the most energy-efficient condition.
- Please do not remove Freezer case (bottom).



OPERATION

Control panel



1. Display for temperature setting

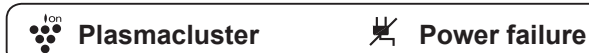
The preset temperature of selected compartment is displayed. It is not the actual temperature in the compartment.

2. Display for controlling temperature

The temperature of the refrigerator and the freezer can be adjusted independently to each other. The indicator light will appear when the compartment is selected to change its temperature.

3. Display for feature icon

Icons of features in operation are displayed.



4. Energy saving indication

This indication shows energy saving "ON".

5. Sound ON/OFF indication

This indication shows sound "OFF".

6. Door alarm indication

This indication shows door alarm "ON".

7. Select button

Press to select feature icon and door alarm signal.

8. ▼ / ▲ button

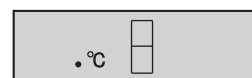
Turn to select feature ON/OFF or temperature setting.

9. ◆ (Enter) button

Finalize the setting.

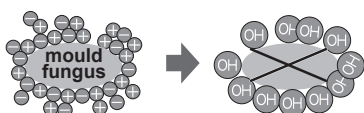
NOTE

- Features start automatically like right figure when inserting the power plug. (The initial content is only Door alarm "ON".)
- When there is no operation for approx. 1 minute the display will automatically return to the initial content. Additionally, the display will be turned off when there is no operation 1 minute.
- When either button is pressed, the display will blink once to show the initial content. When the refrigerator stops with power failure, the display shows similarly as before having a power failure at the time of re-power distribution.

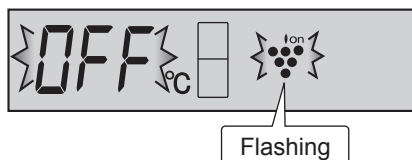


Plasmacluster

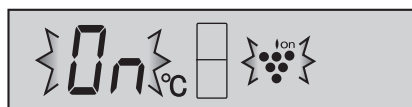
The ionizer inside the refrigerator release clusters of positive and negative ions, into the refrigerator compartment. These ion clusters inactivate airborne mould fungus.



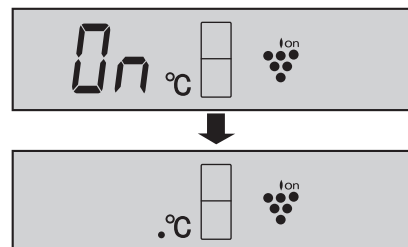
- 1 To activate the ionizer press the "Select" button and choose the Plasmacluster icon.



- 2 Press the ▲ button. [▲ : ON, ▼ : OFF]

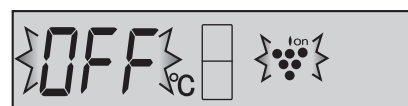


- 3 Press the ◆ button.



To cancel operation

It is the same process as activating this function. Press the ▼ button in step 2.

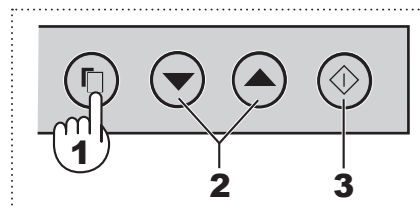


NOTE

- There may be a slight odour in the refrigerator. This is the smell of ozone generated by the ionizer. The amount of ozone is minimal, and quickly decomposes in the refrigerator.

Controlling Temperature

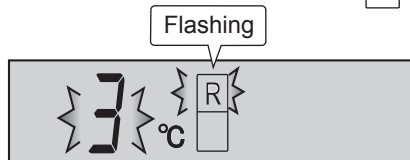
The refrigerator controls its temperature automatically. However, if needed, adjust the temperature as follows.



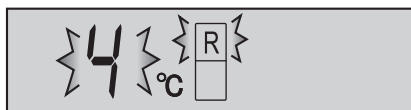
Refrigerator compartment

Adjustable between 0°C and 6°C in steps of 1°C.

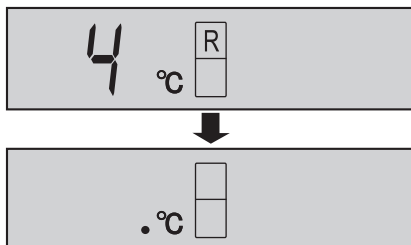
- 1** Press the select button and select **R** icon.



- 2** Press the ▲ / ▼ button and set the temperature.
[▲ : increase, ▼ : decrease]



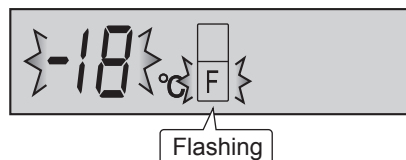
- 3** Press the ◆ button.



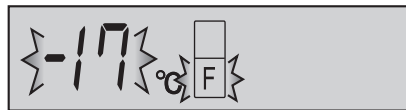
Freezer compartment

Adjustable between -13°C and -21°C in steps of 1°C.

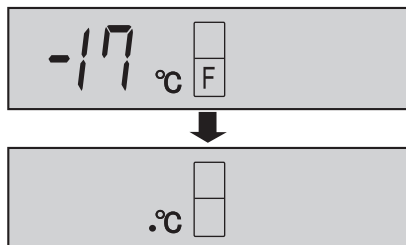
- 1** Press the select button and select **F** icon.



- 2** Press the ▲ / ▼ button and set the temperature.
[▲ : increase, ▼ : decrease]



- 3** Press the ◆ button.

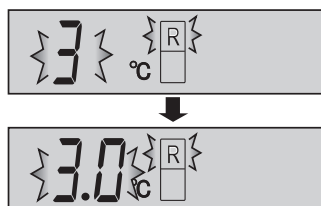


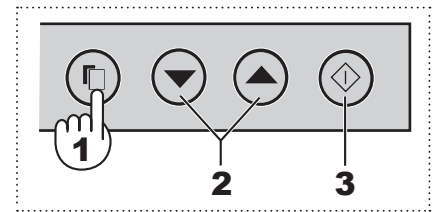
Advanced Setting of Refrigerator compartment

The temperature of refrigerator compartment can be adjusted in steps of 0.5°C by following steps ① to ③ below.

- ① Select **R** icon.
② Press ◆ button continuously for 3 seconds or more.
③ Adjust the temperature in the same way as steps 2 to 3 above.

Follow steps ① to ② again if you want to adjust the temperature in steps of 1°C.

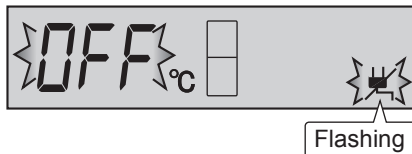




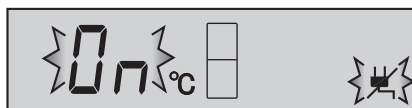
⚡ Power Failure

While this feature is operating, it will indicate the rise of inside temperature which may be caused by power failure.

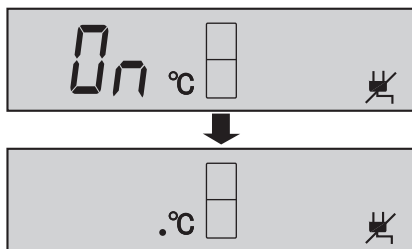
- 1 Press the select button and select the power failure icon. (The icon is orange.)



- 2 Press the ▲ button. [▲ : ON, ▼ : OFF]

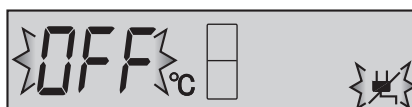


- 3 Press the ◇ button.



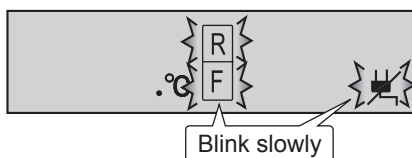
To cancel operation

It is the same process as activating this function. Press the ▼ button in step 2.



Indication of power failure

- At the time of repower, if the inside temperature of the refrigerator and freezer compartment becomes as follows (R: more than 7°C, F: more than -10°C), power failure icon will blink slowly.



- Check the quality of food before you eat.

How to cancel the indicator blink

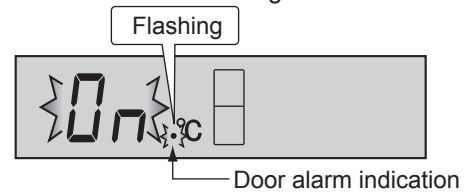
Press the ◇ button while the icons are blinking.

Door Alarm

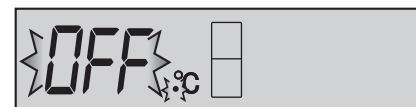
- If the refrigerator door is left open, the door alarm will sound.
- The door alarm will sound after 1 minute of opening the door and again after a further minute has passed. (Once in each case)
- If the door is left open for approx. 3 minutes, the alarm will sound continuously.
- Factory has set the door alarm to "ON".

To cancel operation

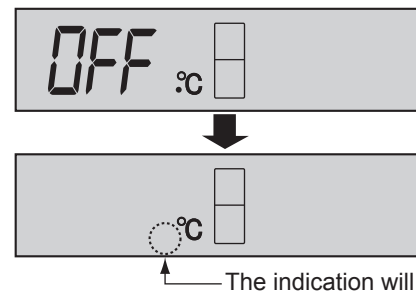
- 1 Press the select button and select the door alarm indication like the below figure.



- 2 Press the ▼ button. [▲ : ON, ▼ : OFF]

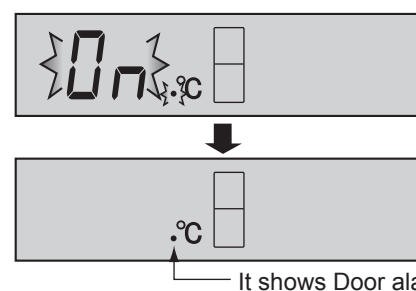


- 3 Press the ◇ button.



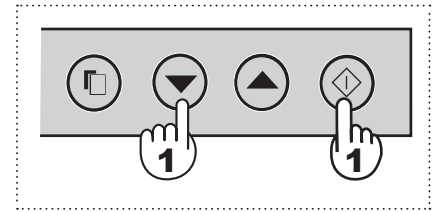
To start operation

It is the same method as cancelling the operation. Press the ▲ button in step 2.



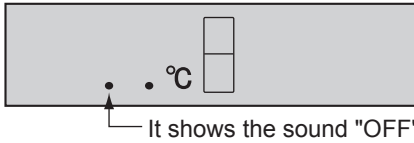
Sound ON/OFF

Use this feature to turn off the sound of key operation.



- 1 Press the ▼ button and ◇ button simultaneously and continuously for 3 seconds or more.

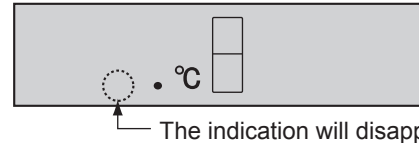
Beep beep beep



To set sound "ON"

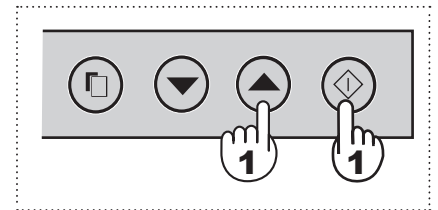
Press the ▼ button and ◇ button simultaneously and continuously for 3 seconds or more again.

Beep beep beep



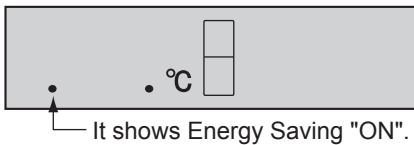
Energy Saving

Use this feature when you want to switch the appliance to energy-saving operation.



- 1 Press the ▲ button and ◇ button simultaneously and continuously for 3 seconds or more.

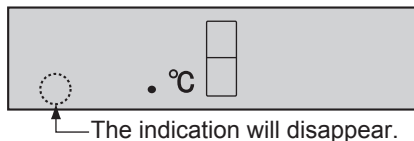
Beep beep beep



To cancel operation

Press the ▲ button and ◇ button simultaneously and continuously for 3 seconds or more again.

Beep beep beep



NOTE

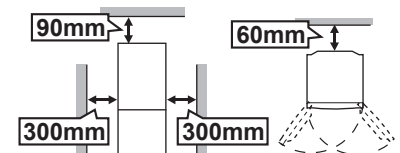
- While this feature is operating, the inside temperature of the refrigerator and freezer compartment will be higher than the preset temperature as follows, R: about 1°C, F: about 2°C (at the preset temperature of R: 3°C, F: -18°C). The displayed temperature will not be changed.
- The efficiency of power saving depends on the usage environment (controlling temperature, ambient temperature, frequency of opening or closing the door, amount of food). If express freezing is operated at the same time, the efficiency of power saving is also changed.
- Cancel this feature when you feel the beverages are not cooled enough or ice making takes time.

Tips for saving energy

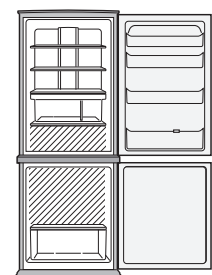
- Keep the ventilation space as much as possible around the refrigerator.
- Keep your refrigerator out of direct sunlight and do not place next to a heat generating appliance.
- Open your refrigerator door as little as possible.
- Hot foods should be cooled before storing.
- Place the food evenly on the shelves to allow the cooling air to circulate efficiently.

The amount of power consumption of this model is measured according to the international standard of the refrigerator performance.

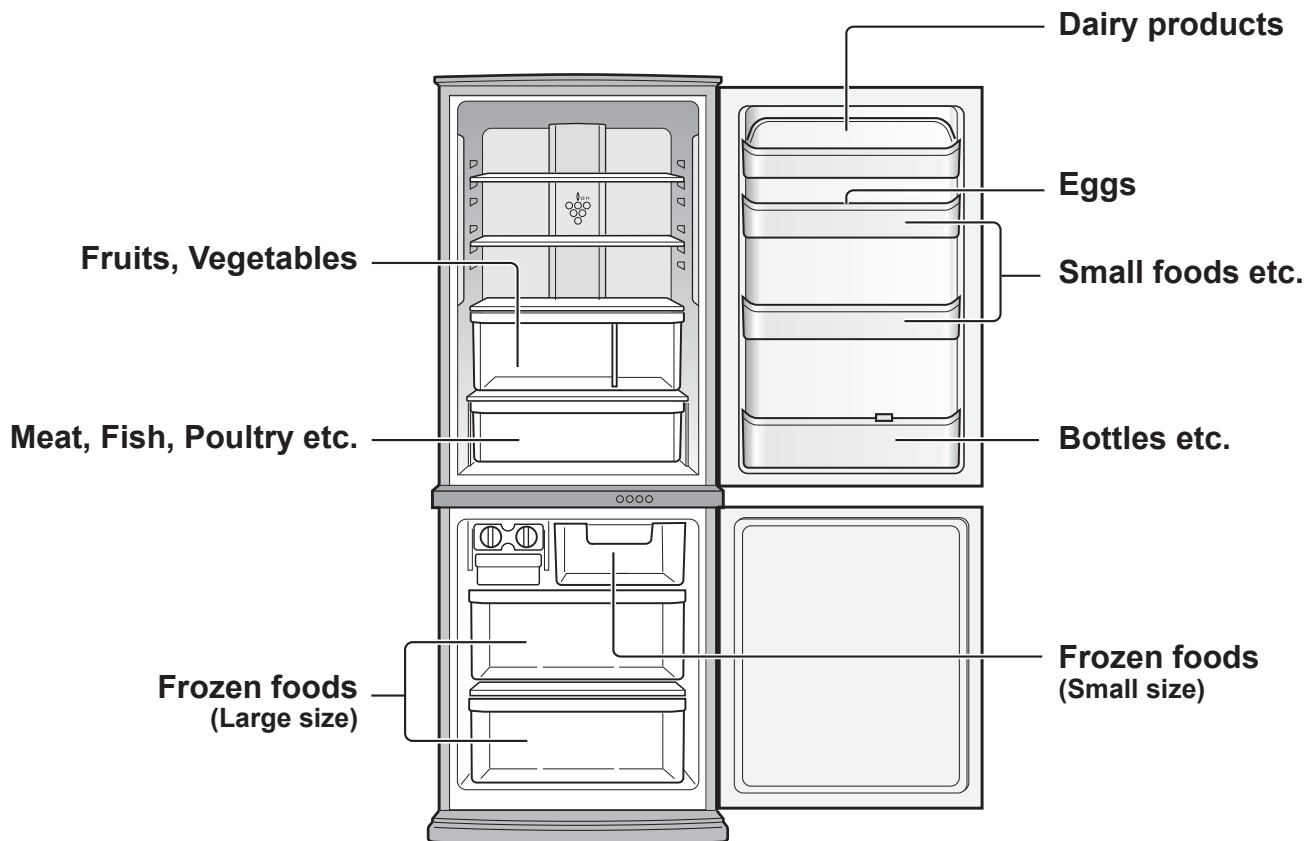
- The amount of power consumption of this model is measured under the space dimensions on the right figure.



- The amount of power consumption of this model is measured with some accessories taken out as indicated in the right figure.



STORING FOOD



Refrigeration reduces the rate of food spoilage. To maximize the shelf life of perishable food products, ensure that the food is the freshest possible quality. The following is a general guide to help promote longer food storage.

Fruit / Vegetables

To minimise moisture loss, fruit and vegetables should be loosely enclosed in a plastic material e.g. wrap, bags (do not seal) and place in the vegetable crisper.

Dairy Products & Eggs

- Most dairy products have a use by date on the outer packaging which informs the recommended temperature and shelf life of the product.
- Eggs should be stored in the Egg holder.

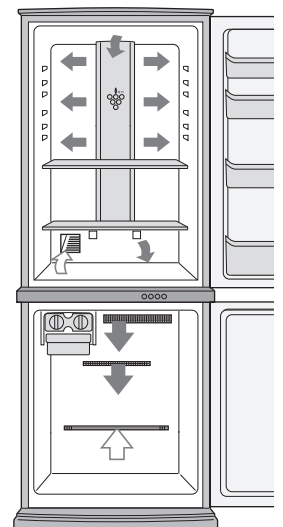
Meats / Fish / Poultry

- Place on a plate or dish and cover with paper or plastic wrap.
- For larger cuts of meat, fish, or poultry, place to the rear of the shelves.
- Ensure all cooked food is wrapped securely or placed in an airtight container.

NOTE

- Evenly place the food on the shelves to allow the cooling air to circulate efficiently.
- Hot foods should be cooled before storing. Storing hot foods increases the temperature in the unit and increases the risk of food spoilage.
- Do not block the outlet and inlet of the cool air circulating circuit with foods or containers; otherwise the foods will not be evenly cooled throughout the refrigerator.
- Keep the door securely closed.

← IN
→ OUT



Do not place food directly in front of cold air outlet. This may lead to the food freezing.

For best freezing

- Quality of foods should be fresh.
- Freeze small quantities of food at a time to freeze them quickly.
- Food should be properly sealed, sealed tightly or covered.
- Evenly place the food in the freezer.
- Label bags or containers to keep an inventory of freezing food.

CARE AND CLEANING

WARNING

- Unplug the refrigerator first to prevent electric shock.
- Do not splash water directly on the outer cabinet or the interior. This may lead to rusting and deterioration of the electrical insulation.

IMPORTANT

To prevent cracking on inside surfaces and plastic components, follow these tips.

- Wipe any food oils adhered to plastic components.
- Some household chemicals may cause damage, so use only diluted washing-up liquid (soapy water).
- If undiluted detergent is used or soapy water is not wiped off thoroughly, cracking of plastic parts can result.

- 1 Remove the accessories e.g. shelves from the cabinet and door. Wash them in warm soapy dishwashing water; rinse in clean water and dry.
- 2 Clean the inside with a cloth soaked in warm soapy dishwashing water. Then, use cold water to wipe off soapy water.
- 3 Wipe the exterior with a soft cloth each time it is soiled.
- 4 Clean the magnetic door seal with a toothbrush and warm soapy dishwashing water.
- 5 Wipe the control panel with the dry cloth.

NOTE

- To prevent damage to your refrigerator, do not use heavy duty cleansers or solvents (lacquer, paint, polishing powder, benzine, boiled water, etc.)
- If the power supply is disconnected, please wait for at least 5 minutes before re-connecting power.
- The glass shelves weigh approximately 2kg each. Hold firmly when removing from the cabinet or carrying.
- When dropped the juice and the like near the control panel, wipe off directly. It becomes cause of failure of the control panel.
- Do not drop objects inside the refrigerator or strike the inner wall. This may cause the inner surface to crack.

Defrosting

Defrosting is fully automatic due to a unique energy saving system.

When the compartment light is blown

Contact the service agent approved by SHARP to request a replacement compartment light. The compartment light should not be removed other than by qualified service personnel.

Switching off your refrigerator

If you switch your refrigerator off when you are going away for an extended period, remove all food, clean the interior thoroughly. Remove the power cord plug from the power socket and leave all doors open.

BEFORE YOU CALL FOR SERVICE

Before you call for service, check the following points.

Problem	Solution
The outside of the cabinet is hot when touched.	It is normal. The hot pipe is in the cabinet in order to prevent dew generation.
When there is refrigerator noise.	It is normal for the refrigerator to produce the following sounds. • Loud noise produced by the compressor when operation starts --- Sound becomes quieter after a while. • Loud noise produced once a day by the compressor --- Operating sound produced immediately after automatic defrost operation. • Sound of flowing fluid (gurgling sound, fizzing sound) --- Sound of refrigerant flowing in pipes (sound may become louder from time to time). • Cracking or crunching sound, squeaking sound --- Sound produced by expansion and contraction of inner walls and internal parts during cooling.
Frosting or dew generation occurs inside or outside the refrigerator.	This may occur in one of the following cases. Use a wet cloth for wiping frost and a dry cloth for wiping dew. • When the ambient humidity is high. • When the door is frequently opened and closed. • When foods containing plenty of moisture are stored. (Wrapping is required.)
The foods in the refrigerator compartment freeze.	• Is the refrigerator operated for a long time with refrigerator temp. control set at 0°C? • Is the refrigerator operated for a long time with freezer temp. control set at -21°C? • Low ambient temperature may cause placed foods to freeze even if refrigerator temp. control is set to 6°C.
It smells in the compartment.	• Wrapping is required for the foods with strong smell. • Deodorizing unit cannot remove all of smell.

IF YOU STILL REQUIRE SERVICE

Refer to your nearest service agent approved by SHARP. (tel : 0845 882 0025)

